

## FMD DISPOSAL PIT SITING AND EMERGENCY PERMIT CRITERIA

This is an application for an emergency permit to dispose of waste generated as the result of an outbreak of foot and mouth disease in Virginia. The emergency permit request may be oral or written. If oral, it shall be followed within five days by a written emergency permit application. Oral responses can only be given if the applicant is fully aware of the siting requirements outlined in this application, otherwise a written request must be provided using this application. Mail or fax the written request to the Department.

*Emergency Permits are valid for 90 days from the time they are issued.  
All associated waste activities must be completed within the 90-day period.*

### INSTRUCTIONS:

Read all sections carefully. Fill in all of the information on DEQ Form FMD-01 and all applicable information on DEQ Form FMD-02. A certification signature is required on DEQ Form FMD-03. Note that a site map, a list of wastes to be received, and the manner and location of their disposal must accompany this application. The site may either be selected prior to the emergency or during after the emergency declaration. The Department encourages pre-selection. Follow the applicable guidelines below.

#### Pre-Selected Sites:

If the site is pre-selected, public participation must be held in accordance with the Virginia Solid Waste Management Regulations, Amendment 1 (VSWMR) regulations 9 VAC 20-80-480 E.5 and F.4. The Department will not consider approval of a pre-selected site without public participation. Pre-selected sites, if approved, will be granted an emergency permit upon request at the time of the emergency. The applicant needs only to contact the Department, either orally or in writing, and provide a notice that a pre-selected site will be used for the present emergency. The notice shall include, as a minimum, the applicant's name and contact information, the nature of the emergency, and the location of the site and owner's name. Oral requests shall be followed with a written request within five days. DEQ Form FMD-01 and DEQ Form FMD-02 must be on file with the Department prior to the emergency for all pre-selected sites. The public notice will be provided by DEQ by publishing a notice in the local newspaper and providing for a 30-day comment period.

#### Emergency Sites

In the case of selecting a site immediately after an emergency declaration, the Department may grant a temporary emergency permit through oral or written requests. The applicant may verbally relate the information requested on DEQ Form FMD-01 and DEQ Form FMD-02 but must provide written copies within five days or as soon as the infrastructure support will allow. In addition, a public notice as per 9 VAC 20-80-480 F.4 shall be published by the DEQ as soon as practicable. Disposal of waste may commence upon verbal approval but all waste disposal activities must cease after 90 days. In addition, closure activities must be completed by the expiration of the 90-day period.

**DEQ FORM FMD-01****FMD DISPOSAL PIT SITING AND EMERGENCY PERMIT CRITERIA****DEQ Contact Information**

Department of Environmental Quality 629 East Main Street P.O. Box 10009 Richmond, VA 23240-0009 Attention: Solid Waste Permitting	Paul Farrell Phone: (804) 698-4214 FAX: (804) 698-4383
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If information is not known, use NA. Please type or print information.

**SIGNATURE REQUIRED UNDER CERTIFICATION ON FORM DEQ FMD-03 WHEN COMPLETED.**

Expected or current emergency	
Authority or Agency	
Primary Contact's Name	
Address	
City, State, Zip	
Phone Number / Fax Number	
Secondary Contact's Name	
Address	
City, State, Zip	
Phone Number / Fax Number	
Site Location (latitude/longitude or directions from major roads)	
Site Name	
City, State, Zip	
Owner of Site	
Owner's Address	
City, State, Zip	
Phone Number / Fax Number	
Approximate size of disposal area (acres)	
<u>List expected types of waste</u> See Attachment A for typical waste types. Additional sheets may be used	
<u>Typical disposal pit construction and waste placement method</u> Additional sheets may be used	

## DEQ FORM FMD-02

### FMD DISPOSAL PIT SITING CRITERIA

Put a **T** or **X** in the Yes / No Columns as necessary. Additional information is provided in Attachment 1. Please read each criteria carefully. **Sign the certification on DEQ FORM EDWP-03**

	<b>Siting Criteria</b>	Yes	No
1	Site location map attached		
2	Not prone to base floods [100 year flood plain, coastal flooding] or inundation.		
3	Site is geologically stable. (see Attachment A-1)		
4	Not closer than:		
	100 feet from any regularly flowing surface water body or river.		
	200 feet from any well, spring, or other groundwater source of drinking water		
	50 feet from the property line		
	200 feet from any residence school, hospital, nursing home, or recreational park		
	500 feet from the nearest edge of the right-of-way of any public road unless the site is screened from public view		
5	SITE SHALL NOT BE LOCATED IN WETLANDS AND WETLANDS SHALL NOT BE IMPACTED.		
6	Site characteristics		
	Gas, water, sewage, or electrical or other transmission lines under the site		
	Existing open dump, unpermitted landfill, lagoon, or similar facility on site.		
7	Impacts cemeteries (public or private) or culturally sensitive areas.		
8	Strip mines, pits, exposed bedrock or quarries present.		
9	Can at least 5 feet of separation be maintained between the bottom of the trench and the groundwater elevation and bedrock.		
10	Is anticipated waste acceptable for disposal? (See Attachment A-2) <b>(90 day permit, all activities inclusive)</b>		
11	Is sufficient cover material or approved alternate available to provide daily cover (minimum of 6 inches for soil)		
12	Can the site be closed in accordance with Department standards (See Attachment A-3)		

## DEQ FORM FMD-03

ALL APPLICATIONS MUST BE SIGNED.

### CERTIFICATION:

I hereby affirm that the information provided on this application is accurate and complete to the best of my knowledge. I fully understand the requirements of the siting criteria and that an emergency permit is valid for 90 days from the time of issuance. All activities must be inclusive in the 90 day period. Failure to provide accurate and complete information or follow the requirements and conditions of this application may result in permit denial or revocation.

Signed \_\_\_\_\_

Date \_\_\_\_\_

(Type or Print dd/mm/yyyy)

Title or Authority by \_\_\_\_\_

(Type or Print)

The following items must be returned to the Department:

\_\_\_\_\_ Contact Information (FMD-01)

\_\_\_\_\_ Siting Checklist (FMD-02)

\_\_\_\_\_ Certification (FMD-03)

## Attachment A

### Attachment A-1 - Geology

FMD disposal pits shall not be sited in geologically unstable areas where inadequate foundation support for the structural components of the disposal unit exists. Factors to be considered when determining unstable areas shall include:

a. Soil conditions that may result in differential settling and subsequent failure of containment system;

#### EXAMPLES

highly compressible clays,	liquefiable soil	expansive soils	peat
collapsible soils	frost-susceptible soil	soils susceptible to hydrocompaction	
other conditions not explicitly listed			

b. Geologic or geomorphologic features that may result in sudden or non-sudden events and subsequent failure of containment system;

#### EXAMPLES

landslide prone areas	Abandoned river channels	highly erosion-prone areas	over sole source aquifer
other conditions not explicitly listed		highly karstic areas	groundwater seeps
structural discontinuities such as extreme folding, faulting, fracturing and jointing			

c. Man-made features or events (both surface and subsurface) that may result in sudden or non-sudden events and subsequent failure of containment system;

#### EXAMPLES

emergency routes	unpermitted landfills	sludge lagoons	unsuitable fill
adjacent to highly explosive products such as chemical, petroleum or fertilizer storage bins			
downstream of weakened or damaged dams or other water retention structures			
over underground excavations such as storage tanks, sewer and traffic tunnels, mine shafts			
other conditions not explicitly listed			

d. Presence of sink holes within the disposal area.

### Attachment A-2 - WASTE

#### Acceptable Waste

Acceptable wastes include animal carcasses, small amounts of manure, feed, straw and hay that cannot be burned or composted, and ash from the burning of carcasses and other contaminated materials that are not classified as a hazardous waste.

No other wastes are authorized for the FMD disposal pit. Sludge waste, radioactive waste, friable asbestos municipal solid waste, medical waste and other similar waste shall be prohibited. **Free liquids shall be prohibited.** Hazardous waste shall be prohibited.

## **Attachment A (continued)**

### **Attachment A-3 – Closure**

The facility shall be closed in a manner that minimizes the need for further maintenance and controls, minimizes or eliminates the post-closure escape of leachate, surface runoff, decomposition gas migration, or waste decomposition products to the groundwater, surface water or the atmosphere.

A final cover shall be constructed that meets the following requirements:

1. The final cover shall consist of 24 inches of earthen material the top 6 inches of which must be capable of supporting native plant growth;
2. Finished slopes shall be stable and configured to control erosion and runoff; and
3. To prevent ponding of water, the top slope shall be at least 2% after allowance for settlement.